

ABSTRACT

To facilitate a trouble-free charging of scrap metal having differing constitutions, such as light and heavy scrap metal, from a lower discharge opening of a shaft-shaped charging device or a charging stock preheater (1) into a melting vessel by a pusher (13), the lateral surfaces of the pusher (13) are formed so as to converge from the upper side to the lower side and the actuating device (2) of the pusher (13) is pivotably supported in a frame structure (3) about a horizontal axis. In addition, the upper boundary of the discharge opening for the charging stock from the shaft (2) is preferably formed by a horizontal, rotatably supported roller (26), more preferably with engaging elements (30) distributed around the circumferential surface. Sections of the charging device that are severely mechanically stressed are preferably formed by steel billet sections connected to form a structural unit.